

CLAIMS

Sub A1
1. A composition comprising water-dissipatable polyurethane having a Mw less than 25,000, water, colorant, a water-miscible organic solvent and a water-immiscible organic solvent.

2. A composition according to claim 1 wherein the polyurethane has been obtained from the reaction of a mixture comprising the components:
i) at least one organic polyisocyanate; and
ii) at least one isocyanate-reactive compound providing dispersing groups.

Sub A2
3. A composition according to any one of the preceding claims wherein the colorant is soluble in the polyurethane.

4. A composition according to any one of the preceding claims wherein the water-immiscible organic solvent is benzyl alcohol.

5. A composition according to any one of the preceding claims comprising :
(a) from 0.5 to 50 parts of a water-dissipatable polyurethane having a Mw less than 25,000
(b) from 0.1 to 20 parts of colorant;
(c) from 40 to 90 parts of water;
(d) from 2 to 30 parts of a water-immiscible organic solvent; and
(e) from 2 to 60 parts of a water-miscible organic solvent;
wherein all parts are by weight and the total number of parts of (a) + (b) + (c) + (d) + (e) add up to 100.

6. A composition according to any one of the preceding claims wherein the polyurethane has an Mw from 1,000 to 15,000.

7. A composition according to any one of the preceding claims having a viscosity less than 20cp at 20°C.

8. A composition according to any one of the preceding claims which has been filtered through a filter having a mean pore size below 10µm.

9. An ink according to any one of the preceding claims .

10. An ink jet printing ink according to any one of the preceding claims .

Sub P2

11. A process for printing an image on a substrate comprising applying thereto a composition according to any one of the preceding claims by means of an ink jet printer.

12. An ink jet printer cartridge containing a composition according to any one of claims 1 to 10.

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